

Introduction to Enterprise Architectures

Duration: 2 Days

Description

This training course aims at helping attendees to understand the most used Enterprise Architectures and rules to follow up in their construction to succeed with an appropriate architecture scenario for their organisation.

Thanks to the selection of appropriate architecture layers, components and traceability links that are to be established from the business layer to the technical layer, the resulting enterprise architecture framework allows you with a good impact analysis in face of evolutions of the business decisions and anticipate mutations of the corresponding information system components.

Audience

Business Strategists, Enterprise Architects, Business Architects, System Architects, Business Analysts, System Analysts, Software Designers

Outline

Why Architecting the Enterprise ?

- Introduction : Current issues in the Enterprise and IT governance
- Legacy Systems and evolution needs
- Business Architecture and Enterprise Architecture : similarities and differences

The fundamentals

- Architecting the Enterprise : the principles
- Strategic Alignment
- Business and IT Repository
- Logical Architectures n-tiers
- Application technologies : ERP, SCM, webportail,
- Integration architectures and Services Architectures : EAI and ESB
- Service Oriented Architectures : Roles of the BPM and BAM

Enterprise Architecture Strategies and Methodologies

- "As is" and "To be" system cartographies : How to determine the roadmap ?
- Structures to better align IT with the Strategies ?
- What is the approach ?
- What are links with the development processes ?

Enterprise Architecture Content Framework

- Identifying the business functions of the enterprise
- Cartography of the actors and business functions
- Aligning business strategies
- Patterns to architecting the IT system
- Zones, squares and blocks
- Identifying Exchanges using services and events
- Modeling inter-block exchanges and data objects to support business process realizations

Building the repository and data architectures

- The Master Data Management (MDM)
- Granulariity Management
- Modeling Languages
- Definition of the meta-model and architecture rules
- Elaborate the Enterprise Architecture Repository

Architecture Cartography Reference Layers

- Businesss, Functional, Application and Technical Layers
- Links between the Strategic and Business Views
- Traceability between the Business and Functional Views
- Traceability between the Functional and Application Views
- Bridges with the Technical View

Contribution of an 'Enterprise Architecture' to create value

- Contribution to the business value
- Best Practices
- The Enterprise Architecture Roadmap
- Perspectives

Tools

- Business Process and Cartography Management tools
- Presentation on a case study

Prerequisites

There are no prerequisites for this course.